	Application No.	Applicant(s)
Notice of Allowability	10/697,701	IKENAGA ET AL.
	Examiner	Art Unit	
	Quang N. Nguyen	2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the Amendment filed on 09/05/2007*.

2. ☒ The allowed claim(s) is/are *4,5 and 12-15*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☒ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
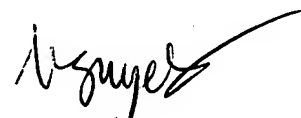
    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *see attachment* .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

Quang N. Nguyen
Patent Examiner - AU 2141

U.S. Patent and Trademark Office
PTOL-37 (Rev. 08-06)   Notice of Allowability   Part of Paper No./Mail Date 20070918

Interview Summary

1.   A proposed amendment was submitted for applicant's consideration. Examiner

suggested the Applicant to amend claims as shown in the Examiner's Amendment

below in order to place the application in condition for allowance.

Examiner's Amendment .

2.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

3.   Authorization for this Examiner's Amendment was given in a telephone interview

with the Applicant's Representative, Mr. David A. Spenard (Reg. No. 37,449), on

September 28th, 2007.

4.   Please amend claims 4, 5 and 12-15 as below:

   Claim 4. (Currently amended) A transaction processing method comprising the

steps of:

   relating a first identifier (ID) for identifying a transaction processing of a

first information processing device with a second ID for relating the transaction

processing of the first information processing device and a transaction processing of a second information processing device with each other and storing the related first and second IDs in a first mapping table;

transmitting the second ID and a transaction processing request to the second information processing device to request execution of a transaction processing in the second information processing device;

receiving [[a]] **the** second ID for relating **the** transaction processings of **the** first and second information processing ~~means~~ **devices** with each other and [[a]] **the** transaction processing request from said first information processing ~~means~~ **device**, relating said second ID to a third ID for identifying the transaction processing of the second information processing ~~means~~ **device**, storing the related ~~ID's~~ **IDs** in a second mapping table, and executing the requested transaction processing[[,]]**;**

upon determining occurrence of a failure in the executed transaction processing, holding a record in the second mapping table relating the second ID of the transaction processing with the third ID for a predetermined period of time[[,]]**;** and

responsive to an inquiry in which the second ID is specified, reading out the third ID corresponding to the specified second ID from the second mapping table and transmitting the read out third ID to the first information processing ~~means~~ **device**,

wherein the value of the predetermined period of time for holding the record is modified depending on whether the first information processing ~~means~~ **device** is **the** information processing ~~means~~ **device** which makes the inquiry.

Claim 5. (Currently amended) A transaction processing method comprising the steps of:

relating a first ~~ID~~ **identifier (ID)** for identifying a transaction processing of **a** first information processing ~~means~~ **device** with a second ID for relating the transaction processing of the first information processing ~~means~~ **device** and a transaction processing of **a** second information processing ~~means~~ **device** with each other and storing the related first and second IDs in a first mapping table;

transmitting the second ID and a transaction processing request to the second information processing ~~means~~ **device** to request execution of a transaction processing in the second information processing ~~means,~~ **device;**

receiving the second ID and the transaction processing request from the first information processing ~~means~~ **device**, relating the second ID with a third ID for identifying the transaction processing of the second information processing ~~means~~ **device**, storing the related second and third IDs in a second mapping table, and executing the requested transaction processing;

upon determining occurrence of a failure in said **requested** transaction processing which has been executed, holding a record in the second mapping table relating the second ID of the transaction processing with the third ID for a predetermined period of time;

upon determining occurrence of a failure in ~~the~~ **said requested** transaction processing which has been executed, specifying the second ID of the transaction **processing** to inquire the third ID for identifying the transaction processing[[,]]**;**

responsive to an inquiry in which the second ID is specified, reading out the third

ID corresponding to the specified second ID from the second mapping table and

transmitting the read-out third ID to the first information processing ~~means~~ **device**; and

generating mapping information for relating the first ID corresponding to the

specified second ID with the transmitted third ID,

wherein the value of the predetermined period of time for holding the record is

modified depending on whether the first information processing ~~means~~ **device** is **the**

information processing ~~means~~ **device** which makes the inquiry.

Claim 12. (Currently amended) A product comprising a computer readable

storage medium having **computer-executable** instructions **stored** therein for causing

a processor to perform the steps of:

relating a first identifier (ID) for identifying a transaction processing of a

first information processing device with a second ID for relating the transaction

processing of the first information processing device and a transaction

processing of a second information processing device with each other and

storing the related first and second IDs in a first mapping table;

transmitting the second ID and a transaction processing request to the

second information processing device to request execution of a transaction

processing in the second information processing device;

receiving [[a]] **the** second ID for relating **the** transaction processings of **the** first

and second information processing ~~means~~ **devices** with each other and [[a]] **the**

transaction processing request from said first information processing ~~means~~ **device**,

relating said second ID to a third ID for identifying the transaction processing of the

second information processing ~~means~~ **device**, storing the related ~~ID's~~ **IDs** in a second

mapping table, and executing the requested transaction processing[[,]]**;**

upon determining occurrence of a failure in the executed transaction processing,

holding a record in the second mapping table relating the second ID of the transaction

processing with the third ID for a predetermined period of time[[,]]**;** and

responsive to an inquiry in which the second ID is specified, reading out the third

ID corresponding to the specified second ID from the second mapping table and

transmitting the read out third ID to the first information processing ~~means~~ **device**,

wherein the value of the predetermined period of time for holding the record is

modified depending on whether the first information processing ~~means~~ **device** is **the**

information processing ~~means~~ **device** which makes the inquiry.

Claim 13. (Currently amended) A product comprising a computer readable

storage medium having **computer-executable** instructions **stored** therein for causing

a processor to perform the steps of: ~~the steps of:~~

relating a first ~~ID~~ **identifier (ID)** for identifying a transaction processing of **a** first

information processing ~~means~~ **device** with a second ID for relating the transaction

processing of the first information processing ~~means~~ **device** and a transaction

processing of **a** second information processing ~~means~~ **device** with each other and

storing the related first and second IDs in a first mapping table;

transmitting the second ID and a transaction processing request to the second

information processing ~~means~~ **device** to request execution of a transaction processing

in the second information processing ~~means,~~ **device;**

receiving the second ID and the transaction processing request from the first

information processing ~~means~~ **device**, relating the second ID with a third ID for

identifying the transaction processing of the second information processing ~~means~~

device, storing the related second and third IDs in a second mapping table, and

executing the requested transaction processing;

upon determining occurrence of a failure in said **requested** transaction.

processing which has been executed, holding a record in the second mapping table

relating the second ID of the transaction processing with the third ID for a

predetermined period of time;

upon determining occurrence of a failure in ~~the~~ **said requested** transaction

processing which has been executed, specifying the second ID of the transaction

processing to inquire the third ID for identifying the transaction processing[[,]]**;**

responsive to an inquiry in which the second ID is specified, reading out the third

ID corresponding to the specified second ID from the second mapping table and

transmitting the read-out third ID to the first information processing ~~means~~ **device;** and

generating mapping information for relating the first ID corresponding to the

specified second ID with the transmitted third ID,

wherein the value of the predetermined period of time for holding the record is modified depending on whether the first information processing ~~means~~ **device** is **the** information processing ~~means~~ **device** which makes the inquiry.

Claim 14. (Currently amended) An apparatus for processing transactions comprising:

　　a processor and a data storage, said processor comprises:

　　　　means for relating a first identifier (ID) for identifying a transaction processing of a first information processing device with a second ID for relating the transaction processing of the first information processing device and a transaction processing of a second information processing device with each other and storing the related first and second IDs in a first mapping table;

　　　　means for transmitting the second ID and a transaction processing request to the second information processing device to request execution of a transaction processing in the second information processing device;

　　　　means for receiving [[a]] **the** second ID for relating transaction processings of **the** first and second information processing ~~means~~ **devices** with each other and [[a]] **the** transaction processing request from said first information processing ~~means~~ **device**, means for relating said second ID to a third ID for identifying the transaction processing of the second information processing

~~means~~ **device**, means for storing the related ~~ID's~~ **IDs** in a second mapping table, and **means for** executing the requested transaction processing[[,]];

upon determining occurrence of a failure in the executed transaction processing, means for holding a record in the second mapping table relating the second ID of the transaction processing with the third ID for a predetermined period of time[[,]]; and

~~means~~ responsive to an inquiry in which the second ID is specified, means for reading out the third ID corresponding to the specified second ID from the second mapping table and means for transmitting the read out third ID to the first information processing ~~means~~ **device**,

wherein the value of the predetermined period of time for holding the record is modified depending on whether the first information processing ~~means~~ **device** is **the** information processing ~~means~~ **device** which makes the inquiry.

Claim 15. (Currently amended) An apparatus for processing transactions comprising:

a processor and a data storage, said processor comprises:

means for relating a first ~~ID~~ **identifier (ID)** for identifying a transaction processing of **a** first information processing ~~means~~ **device** with a second ID for relating the transaction processing of the first information processing ~~means~~ **device** and a transaction processing of **a** second information processing ~~means~~

device with each other and means for storing the related first and second IDs in

a first mapping table;

means for transmitting the second ID and a transaction processing

request to the second information processing ~~means~~ **device** to request execution

of a transaction processing in the second information processing ~~means,~~ **device;**

means for receiving the second ID and the transaction processing request

from the first information processing ~~means~~ **device**, means for relating the

second ID with a third ID for identifying the transaction processing of the second

information processing ~~means~~ **device**, **means for** storing the related second and

third IDs in a second mapping table, and means for executing the requested

transaction processing;

upon determining occurrence of a failure in said **requested** transaction

processing which has been executed, means for holding a record in the second

mapping table relating the second ID of the transaction processing with the third

ID for a predetermined period of time;

upon determining occurrence of a failure in ~~the~~ **said requested**

transaction processing which has been executed, means for specifying the

second ID of the transaction **processing** to inquire the third ID for identifying the

transaction processing[[,]]**;**

~~means~~ responsive to an inquiry in which the second ID is specified, means

for reading out the third ID corresponding to the specified second ID from the

second mapping table and **means for** transmitting the read-out third ID to the

first information processing ~~means~~ **device**; and

      means for generating mapping information for relating the first ID

corresponding to the specified second ID with the transmitted third ID,

      wherein the value of the predetermined period of time for holding the

record is modified depending on whether the first information processing ~~means~~

device is **the** information processing ~~means~~ **device** which makes the inquiry.

5.   Claims 4, 5 and 12-15 are allowed over the prior art of records.

6.   The following is an examiner's statement of reasons for allowance:

In interpreting the currently amended claims, in light of the specification, the

Examiner finds the claimed invention to be patentably distinct from the prior art of

records. Specially, the prior art of records, individually or in combination, fail to explicitly

teach or render obvious the claimed invention as recited in claims 4, 5 and 12-15.

The features as recited in claims 4-5 and 12-15 *"upon determining occurrence of*

a failure in said requested transaction processing which has been executed, holding a

record in the second mapping table relating the second ID of the transaction processing

with the third ID for a predetermined period of time; upon determining occurrence of a

failure in said requested transaction processing which has been executed, specifying

the second ID of the transaction processing to inquire the third ID for identifying the transaction processing; responsive to an inquiry in which the second ID is specified, reading out the third ID corresponding to the specified second ID from the second mapping table and transmitting the read-out third ID to the first information processing device; and generating mapping information for relating the first ID corresponding to the specified second ID with the transmitted third ID, *wherein the value of the predetermined period of time for holding the record is modified depending on whether the first information processing device is the information processing device which makes the inquiry*", when taken in the context of the claims as a whole, was not uncovered in the prior art of records.

Nor were the prior art of records uncovered that would have provided a basis of evidence for asserting a motivation that one of ordinary skill in the art at the time the invention was made, knowing of a method and system for processing transactions between transaction processing systems, would have integrated or modified to teach the method and system for processing transactions between transaction processing systems, in which *upon determining occurrence of a failure in said requested transaction processing which has been executed, holding a record in the second mapping table relating the second ID of the transaction processing with the third ID for a predetermined period of time; upon determining occurrence of a failure in said requested transaction processing which has been executed, specifying the second ID of the transaction processing to inquire the third ID for identifying the transaction processing; responsive to an inquiry in which the second ID is specified, reading out the*

third ID corresponding to the specified second ID from the second mapping table and transmitting the read-out third ID to the first information processing device; and generating mapping information for relating the first ID corresponding to the specified second ID with the transmitted third ID, <u>wherein the value of the predetermined period of time for holding the record is modified depending on whether the first information processing device is the information processing device which makes the inquiry</u>, including the other specific features as recited in the context of claims 4, 5 and 12-15.

7.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should clearly labeled "Comments on Examiner's Amendment".

8.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quang N. Nguyen whose telephone number is (571) 272-3886.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's SPE, Rupal Dharia, can be reached at (571) 272-3880. The fax phone number for the organization is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Quang N. Nguyen
Patent Examiner – AU 2141
October 4th, 2007